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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

25X1

NO. OF PAGES 2

NO. OF ENCLS. 2 Attachments
(LISTED BELOW) 25X1

ACQUIRED

DATE OF INFO: 11/11/68

SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH
USE OF TRAINED INTELLIGENCE ANALYSTS

In Darmstadt, Grötsch sought a Tisch-Rüttel-Prüfstand, a measuring device formerly produced by Heinrich List, Berlin-Teltow. List no longer makes these stands because of lack of raw material from Sweden. Two such stands are already in the possession of Elektrobau Sondershausen, one inherited from the Institut Rabe. Knowing that the order was from EBS, Fa. Schenk insisted

CLASSIFICATION SECRET

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25X1

CENTRAL INTELLIGENCE AGENCY

25X1A

- 2 -

that it be made to appear as stemming from an American or British Zone customer. Ing. (fnu) Lacher, employed by the Siemens Apparatebau, Frankfurt/Main, was engaged as middleman. Lacher originally was sent west by EBS to found a cover firm which would handle such deals, but took the Siemens job instead. He was formerly at Institut Rabe. It is not believed that the Siemens company knows anything about this transaction. Fa. Schenk has been offered an unknown quantity of 400 and 500 watt lamps for this order.

5. At Rohde & Schwarz in Munich, contracts were made to furnish EBS with the following items (it is not known whether or not the firm realizes that the devices are intended for EBS):

2 precision-frequency Wheatstone bridges, measuring range 100 to 20,000 Henry.

2 precision self-induction Wheatstone bridges, measuring range 1 milli to 10 milli Henry.

1 precision sound generator with control quartz, measuring range 100 to 20,000 Henry, to be delivered with permanent quartz guided measuring range or filtered measuring range. (It is not yet known which of these is desired by EBS).

25X1A

Comment: "Rohde & Schwarz agreed to deliver when the currency reform had been finished."

25X1

6. During his 28 May visit to Hartmann & Braun in Frankfurt/Main, Grötsch sounded the firm on the possibility of making and delivering thirteen types of instruments (Listed as Attachment I). Eight of them were beyond the firm's capabilities; of these, three were later contracted for in Munich (i.e., the three listed under Paragraph 5 above).

7. On his return visit, 10-17 June, Hartmann & Braun agreed to deliver what they could produce, provided barter terms could be arranged involving aluminum and copper bars. Grötsch admitted that he had been instructed that such items could not be delivered to potential enemies. Grötsch repeated his barter offer of bicycles and suiting material. (Cf. Attachment I, item 13).

8. At this time Grötsch added an order for a Schreibende elektrische Messgeräte vom RC mit Drehspuhlmessgerät L-40901 and 40954, both with Uhrwerk "D". Hartmann & Braun could not guarantee delivery of this device, formerly produced at their Homburg branch. They are to notify EBS of inquiries into the matter by mail sent through an unwitting accomplice, Heinrich Schade, Kassel, Ihringshausen, Wilhelmstrasse 3.

9. Grötsch telephoned Dotzert of Hartmann & Braun on 23 June to check the effect of the Amazon currency reform on the order. He was told that barter terms were out, and that only Deutsche Mark would be accepted. During this talk, Grötsch insisted that EBS get the order within three weeks. He planned to visit Frankfurt/Main about 30 June with DM 5,000 supplied by Technical Bureau 11.

10. Attachment I is a list of instruments desired by EBS. Attachment II provides data on a ballistic galvanometer needed by EBS.

SECRET/

25X1

25X1

ATTACHMENT I

CENTRAL INTELLIGENCE AGENCY

25X1

List of instruments sought at Hartmann u. Braun, Frankfurt/Main,
by purchasing agent of Elektrobau Sondershausen.

On Order

1. Precision ammeter for direct current (combined) with measuring range 1 mA; 2 mA; 10 mA; 30 mA; 100 mA; 300 mA; 1A; 3A; 10A; 100 A; accuracy 0.2%. Two instruments required. Delivery No. IIIaV 21011.
2. Electrostatic voltmeter for direct and alternating current 150 V, current consumption at 50 Hz 5×10^{-7} A; at 5,000 Hz 5×10^{-5} A; scale interval begins at 30 V. Two instruments required. Delivery No. SKA 24731.

For Possible Production but Not Contracted For

3. Precision voltmeter for Gleichspannung, combined, with measuring range 10 mA; 60 mA; 100 mV up to 1,000 V. Accuracy 0.2%. Two instruments wanted. Can be delivered with different measuring range of 150 mV and 300 V.
4. Precision Wheatstone bridge. Measuring range 0.1 - 100,000 Ohm, accuracy 0.5%. Two required. Can be delivered in different measuring range from 0.1 Ohm.
5. Precision capacity Wheatstone bridge, measuring range 10 pF - 10 uF. Two wanted.

Cannot Be Delivered by Hartmann u. Braun

6. Precision ammeter for alternating current to 500 Hz with measuring range 1 mA; 2 mA; 10 mA; 30 mA; 100 mA; 300 mA; 1A; 3A; 10A; 100A. Accuracy 0.2%. Two wanted. (Not made since 1942.)
7. Precision voltmeter for alternating current to 500 Hz with measuring range 10 mA; 60 mA; 100 mV to 1,000 V. Accuracy 0.2%. Two wanted. (H&B claimed these instruments had not been made before).
8. Items 8, 9 and 10 appear as Paragraph 5 of the attached report.
9. They had never been produced by Hartmann und Braun. The EBS agent
10. later contracted for these at Rohde und Schwarz in Munich.
11. Tonfrequenz Röhrenvoltmeter, type Phillips, 10-10,000 Hz with measurements 0.1 V; 0.3 V; 1V; 3V; 10V; 30V; 100V; 300V. Entrance resistance 2M Ohm. Two required. Never made by H&B. To be sought at Munich.
12. Mirror galvanometer with two susceptibilities; 0.5×10^{-9} A at 800 Ohm and 16×10^{-9} A at 5 Ohm. Two wanted.

Pending

13. Three ballistic galvanometers, with current sensitivity about 10^{-4} or 10^{-6} A, were wanted. Hartmann und Braun possess only a display model, damaged by bombing and repaired by Frankfurt/Main University. Lack of machinery prevents reproduction of this device. The Russians ordered the agent to steal it. He refused. The Russians then began to try and find barter goods in Weimar which might persuade Hartmann und Braun to give up the instrument. Eighty bicycles and 200 meters of suiting material have been allotted to this project. (CF Paragraph 7 of report)

SECRET

25X1

ATTACHMENT-II

CENTRAL INTELLIGENCE AGENCY

25X1

Data on Hartmann und Braun ballistic galvanometer desired by
Elektrobau Sondershausen. (CF. item 13, Attachment I)

Hartmann u. Braun
TYPE HL st 2b L Nr. 1043

Bei ballistischen Messungen

1 Skalenteil = about $\frac{1}{10}$ Persekunden $\times 10^{-6}$		Voltsekunden $\times 10^{-6}$ bei vorgeschalteten Grenzwiderstand		
bei offener Wicklung	aperiodisch		ausserer Grenzwider- stand	Sekunden
I a.2	0.5	500	1,000	28 ballistisch
II 4	10	50	0	
I a.04	1/0	500	3,000	3.3 nochmal
II 0.85	7	5	3	

SECRET

25X1